

WATER CONSERVING AND CLEANING APPARATUS

Abstract of the Disclosure

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The present water conserving and cleaning apparatus' major components include an essentially straight handle of several feet in length, with a hand grip in the vicinity of a distal end and a water flow control lever operably secured to a straight fixture removably secured to the hand grip. The handle is secured on the proximate end to a horizontal member in an inverted "T" configuration. A specific angle at which the handle is secured to the horizontal member is preferred for maximum comfort value for adults. The horizontal member includes a winged jet manifold fixably secured to the proximate end of the handle. The manifold includes a flow director which directs an air and water jet stream onto a surface to be cleaned. A rear wing, integral to the jet manifold, includes a two level cantilevered porch with specifically designed angles and heights to provide optimum air flow and a Venturi effect under the cleaning apparatus. A minimum of water is required when combined with an air stream to provide maximum pressure at a specific target angle to the surface to be cleaned. In addition, a cylindrical horizontal length of pipe is integrally manufactured into the manifold. Also, a plurality of spray nozzles are secured underneath the horizontal length of the cylinder at generally equally spaced intervals. Finally, on a rear side of the manifold is movably secured a plurality of wheels. Several embodiments

demonstrate design flexibility and adaptability to a variety of surface
cleaning uses.

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GLOSSARY

- 09901155-071001
- 1 waterbroom (prior art)
- 2 pipe member (prior art)
- 3 handle (prior art)
- 5 4 nozzle (prior art)
- 5 spray pattern (prior art)
- 10 water conserving and cleaning apparatus
- 12 straight handle
- 14 hand grip
- 15 15 straight fixture
- 16 distal end
- 18 lever
- 20 one end
- 22 water hose
- 15 24 proximate end
- 26 jet manifold
- 28 center
- 30 cylinder
- 32 forward wing
- 20 34 rear wing
- 36 plurality of spray nozzles
- 36a slot

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- 38 plurality of wheels
- 40 left end
- 42 right end
- 44 air flow
- 5 46 cantilevered porch
- 48 air and water jet stream
- 50 surface
- 52 water
- 54 ∂_1
- 10 56 upper porch
- 58 angle step
- 60 lower porch
- 62 ∂_2
- 64 ∂_3
- 15 66 ∂_4
- 68 distance "d"
- L_1
- L_2
- 70 forward edge
- 20 72 juncture

76 attachment mechanism

78 spray pattern

80 spray angle θ_5

82 water filter

5 84 base

86 annular ring

88 cone

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